UDAY KUMAR SINGARAKAYALA

AWS-DevOps Engineer

**udaykumarbms@gmail.com Visakhapatnam**  
 **+91 7731886206** [**LinkedIn**](https://www.linkedin.com/in/uday-kumar-22402a165?lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3B%2FLkVK8RMSk6F5yONF2i%2FwA%3D%3D) | [**GitHub**](https://github.com/uday7731)

Objective  
DevOps enthusiast with a Computer Applications post-graduate background and hands-on Skills in AWS, seeking a role in a growth-focused company where I can apply my skills, contribute innovative ideas and receive mentorship for a successful career.

Education

**Master of Computer Applications (MCA) | CGPA: 7.8** Guntur, Andhra Pradesh

**Acharya Nagarjuna University**Dec 2021 – May 2023

Internship Experience

**DevOps Engineer Intern** Bangalore, India

**ReBid** Aug 2023 – Nov 2023

* Visualized Zabbix, Prometheus data source in Grafana Dashboards to monitor Kubernetes Cluster.
* Created Prometheus Alert manager and deployed on Kubernetes cluster by helm chart.
* Monitored Kubernetes services proactively identifying and addressing issue to maintain system reliability.

Skills

* **Operating Systems Linux & Windows**
* **Version Control Tool GIT**
* **Build Management Tool Maven**
* **Continuous Integration Tool Jenkins**
* **Containerization Tool Docker**
* **Infrastructure as Code (IaC) Terraform**
* **Configuration Management Tool Ansible**
* **Orchestration Kubernetes**
* **Monitoring Tools Prometheus & Grafana**
* **Cloud Platform Amazon Web Services**

Projects

* **Automated CI/CD Pipeline for Web Application using GIT, Jenkins, Maven, Sonarqube,**  **Nexus, Docker, Kubernetes using AWS Cloud support**  [**LINK**](https://github.com/uday7731/Automated-CI-CD-Pipeline-for-Web-Application.git)❖ Ensured Packaging and release mechanism for End to end CI/CD Project (Nexus) using GITHUB  
   Webhooks.  
   ❖Used Docker as Containerization Tool and Kubernetes as Orchestration.
* **Deployed a Three-tier architecture in AWS using Terraform**  [**LINK**](https://github.com/uday7731/Terraform-AWS-3tier-Architecture)

❖ Implemented a three-tier architecture on AWS using Terraform, automating the provisioning of VPC,  
 subnets, EC2 instances, load balancer, and RDS database.  
 ❖ Valuable experience gained in Cloud Infrastructure automation and Terraform Usage.

* **Deployment of 2048 Game on AWS EKS Using Ingress**  [**LINK**](https://github.com/uday7731/2048-GAME-PROJECT.git)

❖ Successfully deployed the classic 2048 game on an Amazon Web Service (AWS) Elastic Kubernetes  
 Service (EKS) cluster.  
 ❖ Utilized Helm charts for application deployment,configured Ingress efficient routing and external access.  
 ❖ This project demonstrated proficiency in managing Kubernetes clusters, Helm package management and  
 AWS EKS operations.

CERTIFICATES  
 • Completed DevOps ON AWS Course on [Coursera](https://www.coursera.org/account/accomplishments/specialization/certificate/LFJVY9VPYRYP)   
 • Completed AWS Cloud Practitioner Essentials Course on [Coursera](https://www.coursera.org/account/accomplishments/certificate/AT2JVEZH332J)